Trichloroethane (1,1,1-TCA), and Chloroform (CF) appear to be relatively unchanged from the previous two sampling events (July 1999 and June 2000).

Figure 5 shows the dissolved-phase TCE concentrations in the MBFB. TCE concentrations in groundwater have decreased in all wells monitored, except in wells WCC-6S, TMW-1, TMW-4 and TMW-10. The TCE concentration increases at WCC-6S, TMW-1 and TMW-4 are relatively minor (13%, 8%, and 15%, respectively). The current TCE concentration at all three of the aforementioned wells is less than the calculated average concentrations suggesting a decreasing trend. TMW-10 showed a two order of magnitude increase in validated data from an average of 8 ug/l to 850 ug/l. Based on the historical data, TMW-10 was re-sampled on May 10, 2001. The results of the re-sampling indicated a TCE concentration of 3.8 ug/l which is consistent with the historical results from the well (Table 5). Concentrations at TMW-2 and TMW-3 located near the postulated VOC source area have declined significantly (18% and 25%, respectively) since the previous monitoring event. Concentration vs. time graphs for TCE are included as Figures 6a through 6d.

Figure 7 shows the dissolved-phase 1,1-DCE concentrations in the MBFB. 1,1-DCE concentrations in groundwater have generally decreased. Minor increases (less than 20% variation from previous sampling event) in concentration are noted at WCC-7S, WCC-9S, and TMW-4. Noteworthy decreases (greater than 20% variation from the previous sampling event) in 1,1-DCE concentrations were observed in samples collected from TMW-2, TMW-3, TMW-5 and TMW-12. 1,1-DCE continues to remain not detected at TMW-10, TMW-11, TMW-13, TMW14, and TMW-17. Concentration vs. time graphs for 1,1-DCE are included as Figures 8a through 8d.

Figure 9 shows the dissolved-phase PCE concentrations in the MBFB. PCE concentrations in groundwater have continued to be generally not detected. Only three samples contained detectable quantities of PCE: TMW-16 (1.1 ug/L), BL-03 (25 ug/L), and XMW-09 (59 ug/L). Concentration vs. time graphs for PCE are included as Figures 10a through 10d.

Figure 11 shows the dissolved-phase 1,1,1-TCA concentrations in the MBFB. Measured 1,1,1-TCA concentrations in groundwater have generally decreased where detected. Only four monitoring locations had laboratory non-qualified detected levels of 1,1,1-TCA in groundwater: WCC-3S (1,100 ug/L), WCC-3D (58 ug/L), WCC-6S (770 ug/L), and TMW-02 (960 ug/L). Concentration vs. time graphs for 1,1,1-TCA are included as Figures 12a through 12d.

Figure 13 shows the dissolved-phase chloroform concentrations in the MBFB. Chloroform concentrations in groundwater, where they have been measured above the detection limit, have generally remained the same or decreased in the TMW series of wells. Within the WCC series, where the concentrations have been reported above the detection limits, chloroform has decreased. Concentration vs. time graphs for chloroform are included as Figures 14a through 14d.